## 2. Amendments to the Claims.

1	1.	(currently amended) Lightweight, structurally integral, and strong composite rack			
2		shelving, comprising:			
3		a) a shelf;			
4		b) a border; and			
5		c) inserts;			
6		wherein said shelf comprises a honeycomb core;			
7		wherein said shelf comprises an upper skin;			
8		wherein said shelf comprises a lower skin;			
9		wherein said honeycomb core of said shelf is sandwiched between said upper skin of			
10		said shelf and said lower skin of said shelf so as to form a composite structure;			
11		wherein said composite structure of said shelf is lightweight;			
12		wherein said composite structure of said shelf is strong;			
13		wherein said shelf has a plurality of through bores;			
14		wherein said plurality of through bores pass vertically through said shelf; and			
15		wherein said plurality of through bores through said shelf allow flames under said shelf			
16		to pass upwardly therethrough instead of sidewardly therealong whereby an			
17		extinguishant thereabove can pass downwardly therethrough for extinguishing flames			
18		thereunder;			

19	wherein said shelf has a periphery;
20	wherein said border closes off said periphery of said shelf;
21	wherein said honeycomb core of said shelf comprises walls;
22	wherein said walls of said honeycomb core of said shelf define cells;
23	wherein said border is a tape;
24	wherein said tape of said border is affixed to any wall of said honeycomb core of
25	said shelf that it comes in contact with, especially any defining an open cell of said
26	honeycomb core of said shelf located at said periphery of said shelf so as to
27	maintain structural integrity of said shelf by closing off any open cell of said
28	honeycomb core of said shelf located at said periphery of said shelf and form a
29	structurally integral unit with said shelf, and which folds over to be affixed to
30	said upper skin of said shelf and said lower skin of said shelf;
31	wherein said inserts line said plurality of through bores through said shelf,
32	respectively;
33	wherein said inserts are tapes;
34	wherein said tapes of said inserts are affixed to any wall of said honeycomb core
35	of said shelf that they come in contact with, especially any defining an open cell
36	of said honeycomb core of said shelf caused by a through bore through said shelf
37	so as to maintain structural integrity of said shelf by closing off any open cell of
38	said honeycomb core of said shelf caused by a through bore through said shelf

39		and form a structurally integral unit with said shelf, and which fold over to be		
40		affixed to said upper skin of said shelf and said lower skin of said shelf.		
1	2.	(original) The shelving as defined in claim 1, wherein said shelf has a surface area; and		
2		wherein said plurality of through bores through said shelf occupy approximately 50%		
3		of said surface area of said shelf.		
	3-7.	(canceled)		
1	8.	(currently amended) An improved rack system of the type having columns, beams		
2		interconnected to the columns, and shelving supported by the beams, said		
3		improvement comprising:		
4		a) the shelving being lightweight;		
5		b) the shelving being structurally integral;		
6		c) the shelving being strong;		
7		d) the shelving comprising a shelf;		
8		e) said shelf comprising a honeycomb core;		
9		f) said shelf comprising an upper skin;		
10		g) said shelf comprising a lower skin;		

11	h)	said honeycomb core of said shelf being sandwiched between said upper skin
12		of said shelf and said lower skin of said shelf so as to form a composite
13		structure;
14	i)	said composite structure of said shelf being lightweight;
15	j)	said composite structure of said shelf being strong;
16	k)	said shelf having a plurality of through bores;
17	1)	said plurality of through bores passing vertically through said shelf; and
18	m)	said plurality of through bores through said shelf being for allowing flames
19		under said shelf to pass upwardly therethrough instead of sidewardly
20		therealong and an extinguishant thereabove to pass downwardly therethrough
21		and extinguish the flames thereunder;
22	<u>n)</u>	said shelf having a periphery;
23	<u>o)</u>	the shelving comprising a border;
24	<u>p</u> )	said border closing off said periphery of said shelf;
25	<b>ā</b> )	said honeycomb core of said shelf comprising walls;
26	<u>r)</u>	said walls of said honeycomb core of said shelf defining cells;
27	<u>s)</u>	said border being a tape;
28	<u>t)</u>	said tape of said border being affixed to any wall of said honeycomb core
29		of said shelf that it comes in contact with, especially any defining an open
30		cell of said honeycomb core of said shelf located at the periphery of said

31			shelf so as to maintain structural integrity of said shelf by closing off any
32			open cell of said honeycomb core of said shelf located at the periphery of
33			said shelf and form a structurally integral unit with said shelf, and which
34			is folded over to be affixed to said upper skin of said shelf and said lower
35			skin of said shelf;
36		<u>u)</u>	the shelving comprising inserts;
37		<u>v)</u>	said inserts lining said plurality of through bores through said shelf,
38			respectively;
39		<u>w)</u>	said inserts being tapes; and
40		<u>x)</u>	said tapes of said inserts being affixed to any wall of said honeycomb core
41			of said shelf that they come in contact with, especially any defining an
42			open cell of said honeycomb core of said shelf caused by a through bore
43			through said shelf so as to maintain structural integrity of said shelf by
44			closing off any open cell of said honeycomb core of said shelf caused by a
45			through bore through said shelf and form a structurally integral unit with
46			said shelf, and which are folded over to be affixed to said upper skin of
47			said shelf and said lower skin of said shelf.
1	9.	(origi	inal) The improved rack system as defined in claim 8, wherein said shelf has a
2		surfac	ce area; and

wherein said improvement comprises said plurality of through bores through said shelf 3 occupying 50% of said surface area of said shelf. 10-14. (canceled)